

Health & Public Safety Division Technical Standards Criteria

It is the intent of Western Technical College to fully comply with Section 504 of the Rehabilitation Act of 1974 and the Americans with Disabilities Act (ADA) of 1990.

In order to assist students to successfully complete our programs, Western Technical College has developed a set of objective technical standards criteria. Students will be asked to review the technical standards for the program of choice, and then sign a form stating whether or not they are able to meet the technical standard abilities, with or without accommodations, as stated in this document. **If a student enters a program with falsification of records related to their ability to meet these requirements, he/she may face disciplinary action.** All documents will be kept on file with the College.

For students with a disability, reasonable accommodations are available. Reasonable accommodations allow individuals with disabilities to gain equal access and have equal opportunities to participate in Western Technical College courses, services, activities, and use of the facilities. An accommodation is not reasonable if it poses a direct threat to the health or safety of self and/or others, if making it requires a substantial modification in an essential element of the curriculum/clinical site, if it lowers academic standards, or poses an undue administrative or financial burden. To be eligible for disability-related services/accommodations, students must have a documented disability. This documentation must be provided by a licensed professional, qualified in the appropriate specialty area.

In accordance with ADA and Section 504 requirements, accommodation requests require the approval of Western's Access Services. All requests for special accommodations must be approved as soon as possible. In some programs, accommodations must be approved by an outside agency or clinical site. Delays in beginning a course/program may occur while this process is arranged. The prospective student must provide documented proof of the need for the special accommodation.

Accommodations allowed, without disability documentation: supportive back brace or other supportive brace that does not impede required movement or interfere with infection control policies, hearing aids, glasses, and/or contacts. Other student-suggested accommodations will require the approval of the Access Services Manager.

If you are a person with a documented disability and would like to request accommodations, please contact Kris Follansbee, Manager of Access Services at accessservices@westerntc.edu or (608) 785-9875. It is recommended that you contact Kris at least three weeks prior to the start of the course so an accommodation plan can be made. However, programs with clinical components may take longer than three weeks for accommodations to be in place.

Technical Standards – RESPIRATORY THERAPY PROGRAM

Standard Number	Technical Standard
1	Review, collect and interpret data in the patient's medical record
2	Assess patient's overall status, including use of inspection, palpation, and auscultation
3	Follow CDC and institutional policies to prevent transmission of infection
4	Position patients of all ages, sexes, and body types
5	Develop a respiratory care plan and independently modify plan based on patient response
6	Apply respiratory therapy and biological science concepts to patient care situations
7	Use technology proficiently in order to access online resources, operate microprocessor controlled equipment and document care in the electronic medical record.
8	Administer medical gases
9	Administer pharmacologic agents via inhalation or airway instillation
10	Draw arterial blood samples
11	Use a variety of techniques to remove bronchopulmonary secretions
12	Use a variety of techniques to improve lung expansion
13	Manage mechanical ventilators in the care of adult, pediatric, and neonatal patients
14	Treat cardiopulmonary emergencies according to BLS, ACLS, PALS, and NRP guidelines
15	Perform pulmonary function tests
16	Assist the physician in special procedures including bronchoscopy, intubation, chest tube insertion
17	Monitor patient response to therapeutic and/or diagnostic interventions
18	Provide instruction on home care procedures and disease management to patients and family members
19	Communicate effectively with patients, family members, peers, physicians, and other healthcare professionals
20	Respect values and beliefs of individuals/families from a variety of social, emotional, cultural, and intellectual backgrounds
21	Provide care for individuals of all ages across the continuum of care (from hospital to home)
22	Transport and set up equipment; transport patient/bed
23	Assure safe and effective operation of equipment; identify and correct malfunctions

24	Assume responsibility for personal goals, professional development and success
25	Practice respiratory therapy according to established professional, ethical and institutional standards
26	Independently carry out responsibilities as part of the healthcare team and complete assigned workload in a timely fashion
27	Function in a fast-paced, dynamic work environment that may include working varied shifts, weekends and holidays

WESTERN TECHNICAL COLLEGE Health and Public Safety Division

Program Specifications – RESPIRATORY THERAPY PROGRAM

Physical Factors	YES	NO	Technical Standard/s Numbers
Standing	→		2, 4, 10-16, 22-24, 27, 28
Walking	→		2, 4, 11-16, 22, 23, 27, 28
Sitting	→		1, 5, 10, 18, 24,
Lifting			
10 lbs.	→		4, 22
20 lbs.	→		4, 22
50 lbs.	→		4
100 lbs.		→	
100 lbs. +		→	
Carrying 10 lbs.			8, 13, 22
20 lbs.	→		13, 22
50 lbs.		→	
100 lbs.		→	
100 lbs. +		→	
Pushing/Pulling			
10 lbs.	→		4, 13, 14, 16, 22
20 lbs.	→		4, 13, 14, 16, 22
50 lbs.	→		4, 13, 14, 16, 22
100 lbs.	→		4, 13, 14, 16, 22
100 lbs. +	→		4, 14, 16, 22
Climbing		→	
Balancing		→	
Bending	→		2, 4, 8-14, 16, 22, 28
Stooping	→		2, 4, 8-14, 16, 22, 28
Crouching	→		2, 4, 8-14, 16, 22, 28
Kneeling	→		14
Crawling		→	
Running		→	
Twisting	→		2, 4, 8-14, 16, 22, 28
Turning	→		2, 4, 8-14, 16, 22, 28
Jumping	→		
Grasping – Firm/Strong	→		4, 8-17, 22, 23

	YES	NO	Technical Standard/s Numbers
Grasping-Light	→		2, 8-13, 15-17, 23
Finger Dexterity	→		3, 8-17, 23, 24
Reaching Forward	→		2, 4, 8-14, 16, 22, 28
Reaching Overhead	→		2-4, 8-14, 16, 22, 28
Pinching	→		3, 9-17, 23
Simultaneous use of hand, wrist, fingers (e.g. typing, data entry)	→		2, 3, 7, 10, 11, 13-15, 22, 23
Coordination			
Eye-hand	→		7, 10, 11, 14, 16, 23, 24
Eye-hand-foot		→	
Driving		→	
Touch			
Characteristics (size, shape, texture)	→		2, 10, 11
Vibration/palpation	→		2, 10, 17
Temperature	→		2, 17
Vision			
Acuity, Near	→		1,7, 10, 11, 13, 16, 17, 23, 24
Acuity, Far	→		4, 22, 28
Depth perception	→		2, 4, 10, 11, 14, 16, 22, 28
Accommodation	→		1
Color vision	→		2, 10, 11, 14, 17
Field of vision	→		4, 13, 14, 16, 17
Hearing			
Face-to-face conversation	→		2, 4, 14, 15, 18-21
Verbal conversation with others	→		2, 4, 5, 14-16, 18-21
Public speaking		→	
Hear normal conversation	→		2, 4, 5, 14-16, 18-21
Hear telephone conversation	→		5, 19, 28
Hear equipment alarms	→		8, 13, 17, 23, 28

WESTERN TECHNICAL COLLEGE Health and Public Safety Division

Program Specifications – RESPIRATORY THERAPY PROGRAM

Environmental Factors	YES	NO	Technical Standard/s Numbers
Works indoors	→		1-28
Works outdoors		→	
Exposure to extreme hot or cold temp		→	
Working at unprotected heights		→	
Being around moving machinery		→	
Exposure to marked changes in temperature/humidity		→	
Exposure to dust, fumes, smoke, gases, odors, mists or other irritating particles (<i>specify</i>) (<i>Ethylene oxid gas</i>)	→		3, 9, 15, 23
Exposure to toxic or caustic chemicals	→		3
Exposure to excessive noises	→		8
Exposure to radiation or electrical energy	→		13, 16, 22
Exposure to solvents, grease, or oils	→		23
Exposure to slippery or uneven walking surfaces	→		22, 28
Working in confined spaces	→		22, 28
Using computer monitor	→		1, 7, 24, 28
Working with explosives		→	
Exposure to vibration	→		11
Exposure to flames or burning items		→	
Works around others	→		1, 14, 16, 25-28

Environmental Factors	YES	NO	Technical Standard/s Numbers
Works alone	→		5, 27, 28
Works with others	→		2, 4, 14, 16, 18, 27, 28
Safety Equipment (<i>Required to wear</i>)			
Safety glasses	→		3
Face mask/face shield	→		3
Ear plugs	→		8
Hard Hat		→	
Protective Clothing	→		3

Program Specifications – RESPIRATORY THERAPY PROGRAM

Cognitive/Mental Factors	YES	NO	Technical Standard/s Numbers
Reasoning Deal with abstract and concrete variables, define problems, collect data, establish facts, and draw valid conclusions	→		1, 2, 5, 6, 8-15, 17, 18, 20, 21, 23, 27, 28
Interpret instructions furnished in oral, written, diagrammatic, or schedule form	→		1, 3, 5, 7, 14, 23, 25, 27, 28
Deal with problems from standard situations	→		1, 3-5, 23, 27, 28
Carry out detailed but uninvolved written or oral instructions	→		3, 5, 14, 16
Carry out one or two step instructions		→	
Mathematics Complex skills –Business math, algebra, geometry or statistics	→		1, 5, 8, 9, 12, 13, 15, 17
Simple skills – add, subtract, multiply and divide whole numbers and fractions, calculate time and simple measurements	→		11
Reading Complex skills - Comprehend newspapers, manuals, journals, instructions in use and maintenance of equipment, safety rules and procedures and drawings	→		1, 13, 18, 23, 25-28

Cognitive/Mental Factors	YES	NO	Technical Standard/s Numbers
Simple skills - Comprehend simple instructions or notations from a log book	→		7, 13, 15, 27, 28
Writing Complex skills – Prepare business letters, report summaries using prescribed form at and conforming to all rules of punctuation, spelling, grammar, diction and style	→		5, 18
Simple skills – English sentences containing subject, verb and object; names and addresses, complete job application or notations in logbook	→		7, 8, 13, 15, 17, 23
Perception Spatial – ability to comprehend forms in space and understand relationships of plane and solid objects; frequently described as the ability to “visualize” objects of two or three dimensions, or to think visually of geometric forms	→		4, 10, 11, 22, 23
Form – ability to perceive pertinent detail in objects or in pictorial or graphic material; to make visual comparisons and discriminations and see slight differences in shapes and shadings of figures and widths and lengths of line	→		13, 15

Program Specifications – RESPIRATORY THERAPY PROGRAM

Cognitive/Mental Factors	YES	NO	Technical Standard/s Numbers
Clerical – ability to perceive pertinent detail in verbal or tabular material; to observe differences in copy, to proof-read words and numbers, and to avoid perceptual errors in arithmetic computation	→		1, 7, 9, 13, 15, 18, 21, 23, 25, 27, 28
Data			
Synthesizing	→		1, 5-7, 13, 17
Coordinating	→		5
Analyzing	→		1-7, 13-15, 17
Compiling	→		5
Computing	→		1, 5, 13
Copying	→		5, 7, 13, 15
Comparing	→		1, 2, 5, 6, 13, 15, 17
Personal traits			
Ability to comprehend and follow instructions	→		7, 14, 16, 23, 24, 27, 28
Ability to perform simple and repetitive tasks	→		22
Ability to maintain a work pace appropriate to a given work load	→		27, 28
Ability to relate to other people beyond giving and receiving instructions	→		2, 4, 5, 18-21
Ability to influence people	→		5, 18, 19
Ability to perform complex or varied tasks	→		3, 8-17, 23, 24, 27, 28

Cognitive/Mental Factors	YES	NO	Technical Standard/s Numbers
Ability to make generalizations, evaluations or decisions without immediate supervision	→		1-28
Ability to accept and carry out responsibility for direction, control and planning	→		5, 18, 21, 25-28



**Health & Public Safety Division
Technical Standards Criteria
Statement of Understanding**

The Americans with Disabilities Act of 1990 (42 U.S.C. & 12101 *et seq.*) and Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. & 794) prohibits discrimination of persons because of his/her disability. In keeping with these laws, colleges of the Wisconsin Technical College System make every effort to ensure a quality education for students. The purpose of this document is to ensure that students acknowledge that they have been provided information on the Technical Standards required of a student in the chosen program.

Please complete this form and return to Admissions.

(initials/date) I have read, understand, and can meet the *Technical Standards Criteria* specific to a student in the **Respiratory Therapy Program**.

(initials/date) I am unable to meet the *Technical Standards Criteria* presented and am requesting accommodations at this time. (Please [Click Here](#) to complete the *Accommodation Request Form*).

(initials/date) I understand that I must meet with Western's Access Services to arrange for any accommodations prior to the start of classes.

Name of Student (please print)

Student ID#, SS# or DOB

Signature of Student

Date

Return to:
Western Technical College
Attn: Admissions
400 Seventh Street North
P.O. Box C-0908
La Crosse, WI 54602
(608) 785-9553
Fax (608) 785-9148